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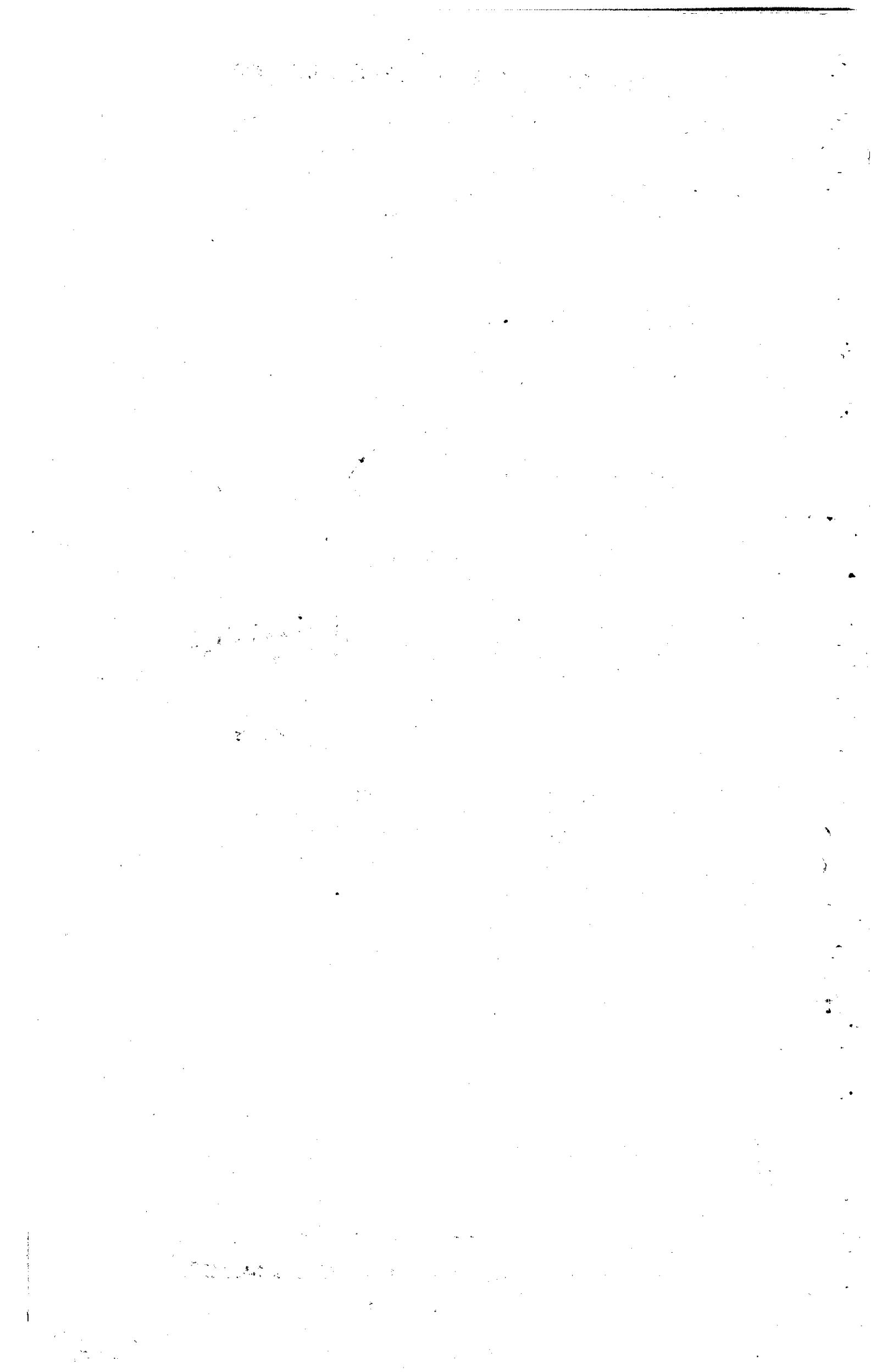
INDEX
TO
AMMUNITION
BULLETINS
No's 1 TO 11 INCL.

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TO

AMMUNITION BULLETINS NOS. 1 TO 39

BRITISH, AMERICAN AND ENEMY AMMUNITION.

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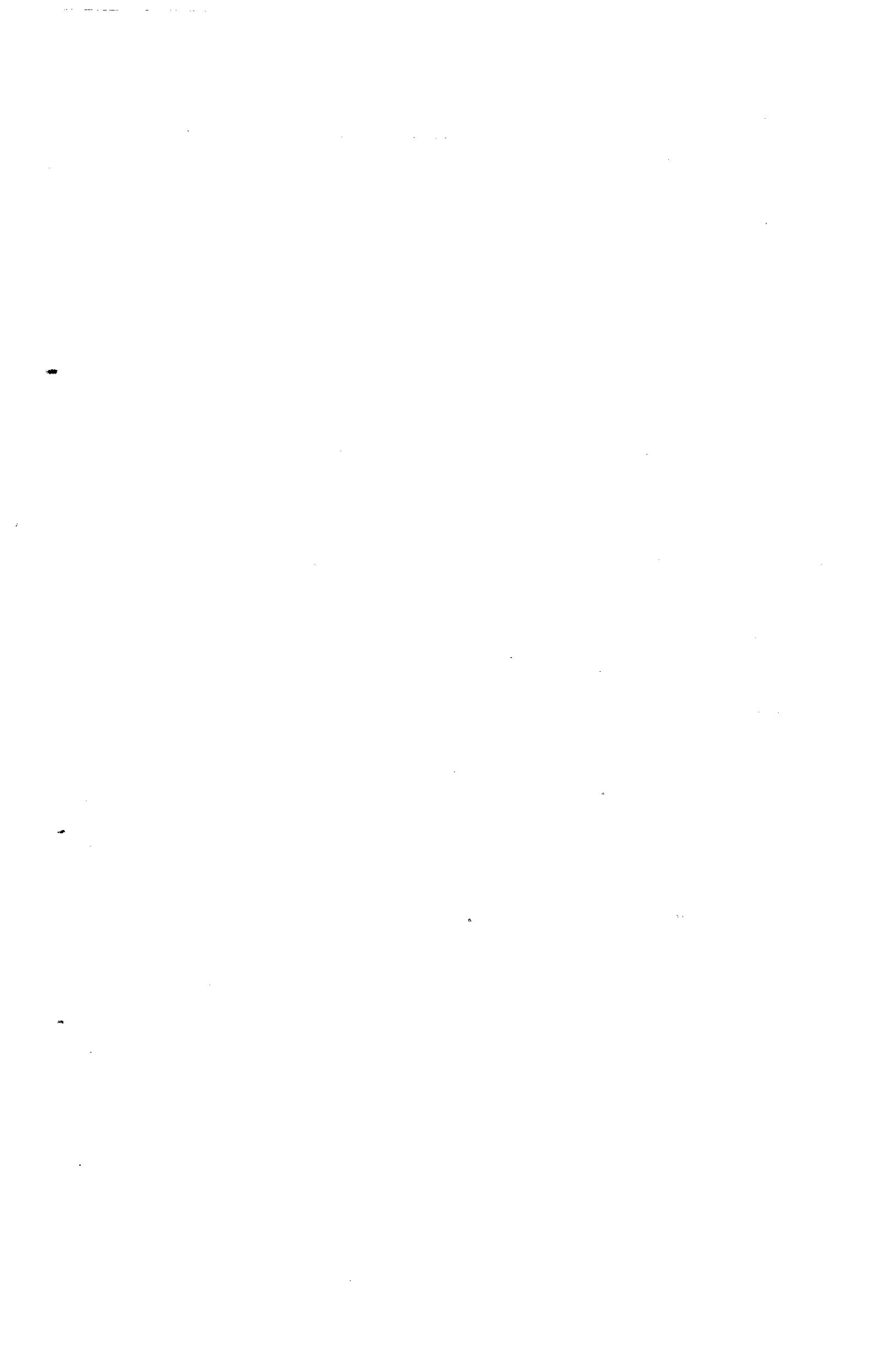
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FACING PAGE 1.

(A) BRITISH AMMUNITION

Bulletin
No. Item

BCMBS

Incendiary 1 $\frac{1}{4}$ lb. "Obsolescent" 48 1376

29 mm Spigot
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(A) BRITISH AMMUNITION

Bulletin
No. Item

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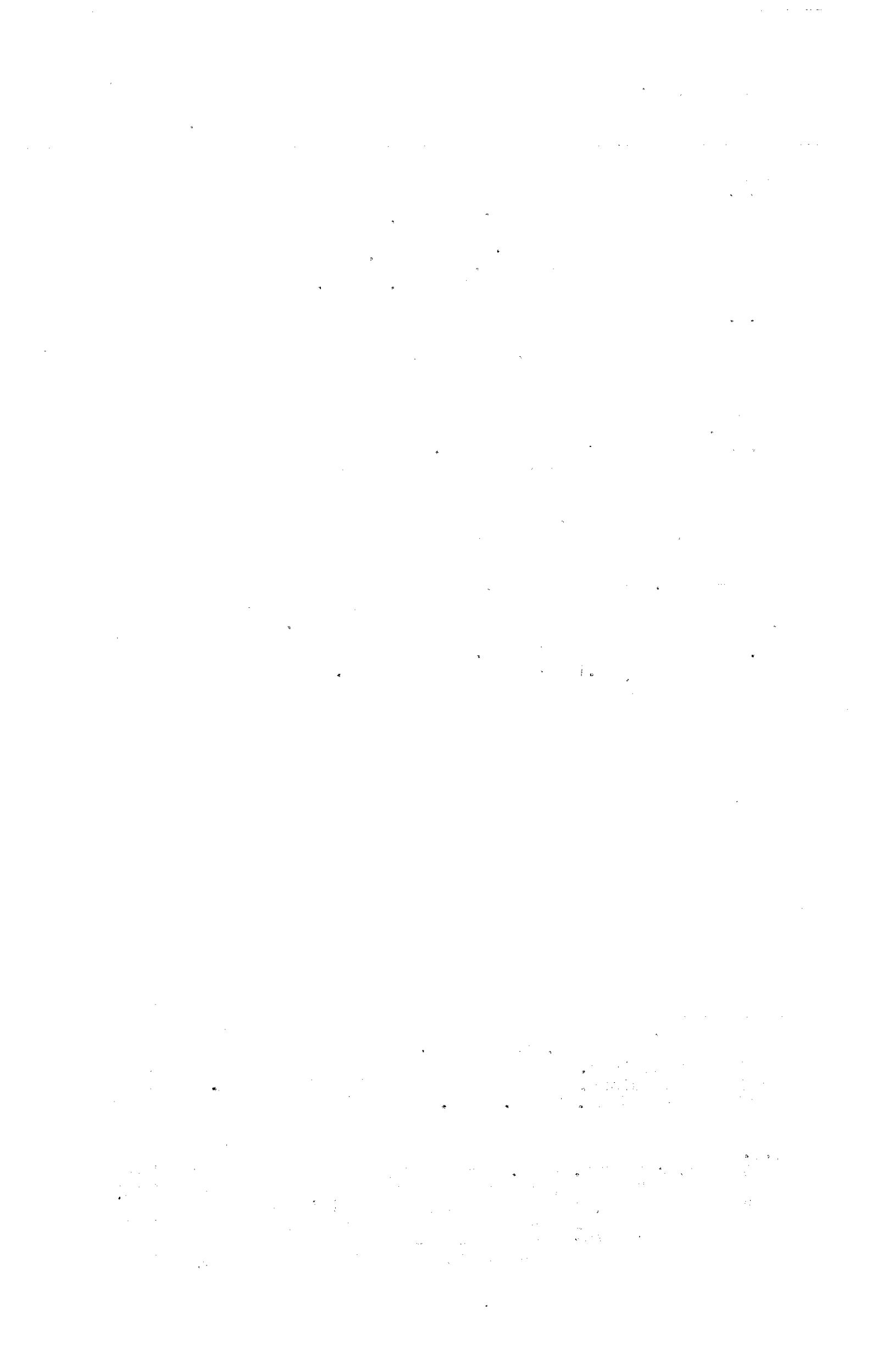
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3" Howitzer

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25-pr.

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3.7" Gun.

Lids, glazedboard. 3.7" How.		
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3" 20 cwt Gun

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	36	846
Loose covers	10	101
Testing for tightness (No.199 and 221 fuzes)	3	21

FUZES AND GAINES (Contd.)

C.E. Pellets, varnishing	32	653
Drill fuzes, sentencing of	2	12
Fuze setting machine,		
No. 6, Test for accuracy	9	83
Correct position of time rings before setting	9	90
Fuzes, various, Obsolete or Obsolescent	38	926
	39	979
Fuze washers	16	182
	23	355
	28	502
Lacquering of certain components discontinued	32	645
Magazines, fuze. Use of P.E.T.N./Wax as a filling.	28	501
Marking of fuze particulars on ammn. boxes.	10	98
Nomenclature of detonators for fuzes and gaines.	35	819
Pentolite for pellets	32	644
Rustproofing, fuzes and gaines	32	682
Substitutes for R.D. Cement No. 1.	30	581
Table of fuzes and equipments with which used	19	269
Use of luting on fuze threads, etc.	6	53
Waterproofing		
Time and T. & P. fuzes	4	36
	10	96
	26	245
Time, mechanical, fuzes	30	570
Weight marking of certain fuzes	15	160

Fuzes

Aircraft, nomenclature	21	306
Electric, No.F.53 Mk.I.	22	325
Mine, Contact, A/T.		
No.1 Mk.I. Removal of filled magazine to be carried out under precautions.	18	245
No.2, Mk.I	5	42
No.3, Mk.I, II and III		
Difference from No.2	9	84
Breaking of shearing wire	10	102
Magazine filling	37	921
Position of safety pin and shearing wire (ref. Item 84)	29	524
New type safety pin	34	785
Waterproofing	35	807

No.24/31 R.Y.G. Perch. Detonating

Mk.I	23	358
Use of R.D.1177	30	567
Package for	32	661

No.106E (non-lead free)

Use of	15	158
	20	288

No.115E Perch. D.A.

Re-introduction	15	164
Weight marking	20	283

No.117 Perch. D.A.

Details	36	880
Use discontinued in Tank equipments	21	307
Striker cover embossed in lieu of a warning label	33	701
Mk.VIII	38	943

No.117C Perch. D.A.

Details	36	879
Marking	18	219

FUZES & GAINES (GENERAL)

Fuze Setting Errors AA Amn 43 1135
" Assembly of fuze covers 48 1364

Fuze various "Obsolescent" 43 1137

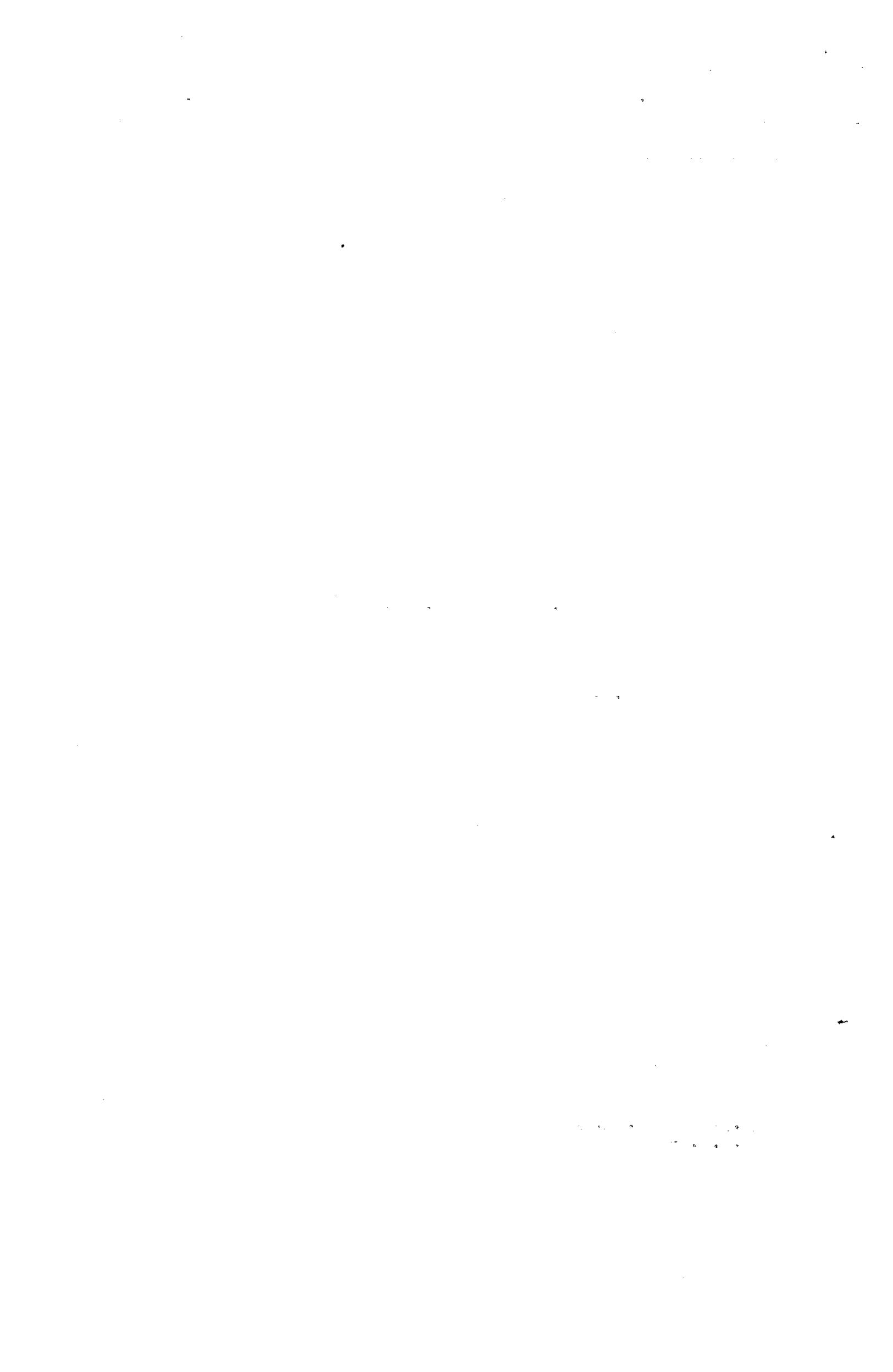
Fuzes

T & P and Time and DA. Use of SR.227.A fuze
powder 43 1151

Mine Contact No.3. Fitting of solid top Plate 42 1105

No.117 Percn. D.A.
Mk.3.A. - Obsolescent

50 1465





Fuzes DA 119			
Mk. II	41	1044	
No. 119B Mk. IV	41	1053	
No. 119B Addition of Striker Spring	42	1104	
No. 119 and 119B - Modification.	43	1143	
DA & P. 119	47	1316	
" 119 & 119B. Rejection of Zinc Alloy bodies.	48	1354	
" " " " Mks. 2 and 8.	48	1378	
Fuze Perch DA 151 and 152			
151 - Modification to permit Air Dropping	41	1058	
152 - " " " " "	43	1138	
Nos. 151 and 152 - "Obsolescent".	45	1243	
No. 162 - Modification.	46	1271	
" " - Bulk packing.	46	1272	
 <u>No. 183 Time.</u>			
Obsolete	50	1461	
<u>No. 199 Time.</u>			
Proof.	50	1459	
<u>No. 206 Time.</u>			
No. 206 and 211 : Extension of use.	48	1347	
 <u>No. 207 Time</u>			
Drill	41	1045	
" Plastic Caps Obsolescent	47	1318	
 <u>No. 208 Time</u>			
Drill	41	1045	
" Mk. 1 Plastic Caps Obsolescent	47	1318	
Mk.5 - Introduction	50	1468	
Mk.6 - — do —	51	1505	
 Time 214 : Use in 3.7" Mk. 1-3 Guns.	44	1185	
 T & P No. 222. All Marks, Markings to indicate variations in CMT's.	46	1265	
T & P No. 222B. - modification	49	1400	

Fuzes (Contd.)

No. 119 D.A. and Percn.

Details	36	878
Mk.II distinctive marking	9	88
Letter 'B' after number when fitted weaker detent spring	29	549
Lots restricted in use	27	485
Label L.508 abolished	29	550
Striker cover embossed in lieu of warning label	33	701
Use discontinued in Q.F. 5.25" gun.	39	958

No. 151 and 152

Modifications	32	683
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No. 158 and 158A Percn., base, large.

Details	29	537
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No. 159 Percn., base, large

Details	19	263
---------	----	-----

No. 188 Time

Obsolete	37	892
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No. 198 Time, Mk.II

Details	29	533
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No. 199 Time

Fuze factor correction marking	37	894
Jammed time rings	8	76
Modified magazine ring	18	217
Proof of	7	62
Use of automatic fuze setters	11	109

No. 206, Time

Mk.II, Details.	29	534
-----------------	----	-----

No. 207 Time

Drill	37	909
Mk.V. Muzzle safety device	29	548
Nose caps, plastic	21	308
Precautions during assembly into complete rounds	38	940

No. 208 Time

Drill	37	909
Mk.I. Details	21	302
Muzzle safety device	29	548
Nose caps, plastic	21	308
Precautions during assembly into complete rounds.	38	940

No. 209 Time

Setting	10	100
	13	136

No. 210 Time

Mk.I. Details	23	357
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No. 221 Time and Percn.

Letter 'B' after number when fitted weaker detent spring	29	549
Marking of fuzes without percussion mechanism	28	503
Marking to indicate improved percussion action.	30	573
Packing	26	443
	34	781

No. 222 Time and Percn.

Mk.I	20	295
Letter 'B' after number when fitted weaker detent spring	29	549

Fuzes (Contd.)

<u>No. 213 Time and Perch.</u>		30	568
Mk. I			
<u>No. 231 Perch. D.A.</u>		29	549
Letter 'B' after number when fitted weaker detent spring.		37	908
Removal of body side plate			
<u>No. 231B Perch. Mk. I^{XX} and III</u>		30	585
Modifications to avoid blinds			
<u>No. 244 Perch. D.A.</u>		21	304
Mk. I		32	654
Mks. II and III		35	816
Key No. 184.			
<u>No. 245 Perch.</u>		22	343
Mk. I			
<u>No. 247 Perch.</u>		28	5
Mk. I. Nomenclature		30	54
Difficulty in removing safety caps		39	963
Distinguishing marking		33	693
Extension of use		34	758
Obsolete for 3" S.B.		32	646
Mk. II		39	964
<u>No. 250 D.A.</u>		36	875
Mk. I Obsolete. Mk. II Obsolescent		37	897
<u>No. 251 Perch. D.A.</u>		18	215
Modification.			
<u>No. 255 Perch. D.A.</u>		34	772
Mk. I			
<u>No. 270 Perch. base, large.</u>		19	2
Details			
<u>No. 283 Perch. base.</u>		22	338
Mk. I		32	651
Mk. II			
<u>No. 284 Perch. base.</u>		32	657
Mk. I			
<u>No. 345 and 345A Perch. base, large</u>		29	538
Details			
<u>No. 346 Perch. base, large</u>		19	263
Details			
<u>No. 3600 Perch. D.A.</u>		29	535
Mk. I			
<u>No. 400 Time</u>		29	536
Details			
<u>No. 425 Perch.</u>		30	580
Mk. I			
<u>No. 479A Perch. base, large.</u>		24	387
Mk. I			

FUZES (CONTD.)No. 223 T & P

Use with QF 3.7" Mk. I to III Guns
Marking of FFC on fuze covers

43 1153
47 1313

Fuze 232 Percn : Modification.
Fuzes percussion No.232 Mk.II - obsolescent

43 1143
49 1411

No. 244 Percn DA Mks 1 to 5

Change of detonator, to be 257 when filled
No. 244 and 257 : To be fired with cap on.

47 1290
40 1015
45 1237

No. 245 Percn Mk. 1A

46 1263

No. 247 Percn
Mk. II (Fig. 425)

41 1064

No. 270 Mk. 1 "Obsolescent"

48 1383

No. 289. "Obsolescent".

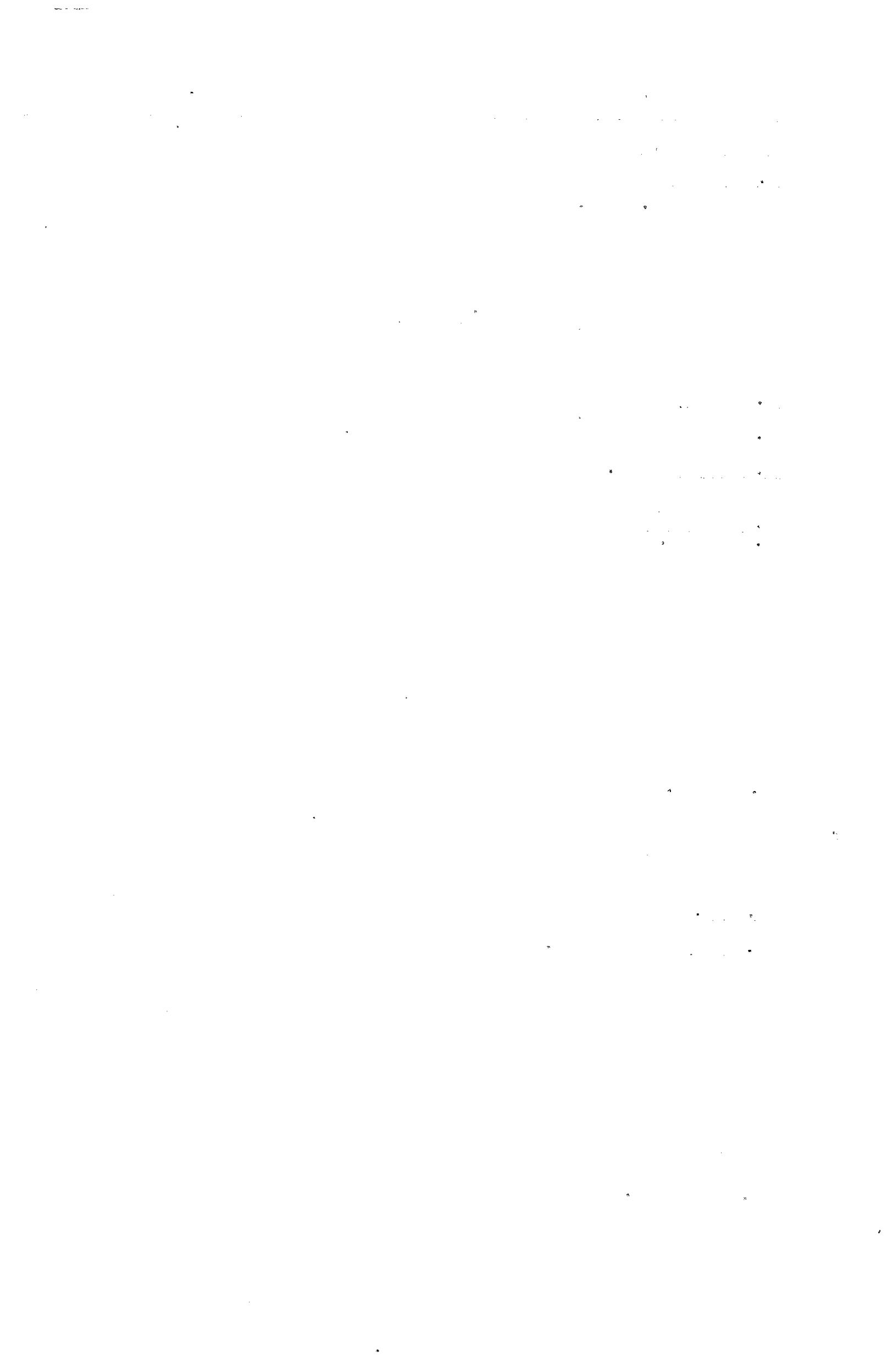
45 1236

No. 291 Percn Base Mk. 1

43 1148

No. 425 Percn. "Obsolete"

47 1309



FUZES (CONTD.)No. 725 Percn. D.A.
Mk.1 - Obsolete

50 1463

Time, 600, 610 and 620.

48 1372

Weight Marking

46 1264

GRENADES

Number constituting a filled Lot.	40	1050
Striker Mechanism No. 2 Mk. 1 and No. 3 Mk. 1	44	1186
Striker mechanism No.2 Mk.1 and No.3 Mk.1 obsolescent	49	1403

No. 36M : Mark of Detonator.	45	1220
Drill No. 36M Mk. 2	45	1222

Rifle No.63 Smoke Mk.I and Mk.I.Z. - obsolete	49	1425
Hand/Rifle No.92 Mk.1--Design approved (Figs.597 & 598)	50	1474
Smoke WP Rifle No.87 Mk.1(Fig.596)	50	1473
No. 68 Rifle A/T Marking after rectification.	40	1003
" " " " "Obsolete"	48	1358

Tail Fuzes Rifle Grenade, Empty, No.2 Mk.1, No.3 Mk.1, No.4 Mk.1 and No.5 Mk.1 - Design approved.	50	1451
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Hand No.9.

Obsolete -	51	1471
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Hand No.73 AT MK.1 - obsolete	49	1434
" No.74 AT Mk.1 - obsolete	49	1398
" No.75 AT Mk.1 - obsolete	49	1435
" No.75 AT Mk.3 - obsolete	49	1427
" No.77 FM MK.2 - obsolete	49	1429
No. 70 Hand	48	1382
No. 79 Smoke Mk.1 - obsolete	49	1421
No. 82 Mk.1 - obsolescent	49	1410
No.74 Hand Mk.2 - Obsolete.	50	1455

Fuzes (Contd.)

<u>No.480 Percn., base, large.</u>		
Details	19	263
<u>No.500 and 501 Percn., base, medium</u>		
Details	23	362
	25	427
<u>No.551 Percn., base, medium</u>		
Mk.II	30	564
<u>No.700 Time</u>		
Mk.I	19	267
<u>No.701 Time</u>		
Mk.I	29	527
<u>No.721 Percn., D.A.</u>		
Mk.II	22	326

GRENADES

<u>Monogram of filling factory marking</u>	33	713
Number constituting a filled lot, various grenades	39	966
Weights, markings, etc., various grenades	37	917
<u>No.36M Hand, or .303" Rifle</u>		
All purposes Key	34	757
Care and preservation	19	244
Mk.V Paper ring round safety fuze of igniter set.	31	625
<u>No.63. Rifle, Smoke</u>		
Obsolescent	18	218
<u>No.67. Lachrymatory, Mk.I</u>		
Details	20	292
<u>No.68. Rifle, A/T</u>		
Mk.II Details	17	195
Alternative filling provisionally approved	31	619
No more will be made	33	704
<u>No.69. Hand</u>		
Mk.I. Details	17	200
Removal of detonator	35	820
<u>No.73. Hand, A/T.</u>		
Mk.I. Details	19	265
Declared Obsolete	24	401
" Obsolescent instead of Obsolete	36	455
<u>No.74. Hand, A/T.</u>		
Mk.I Details	16	184
Nomenclature	23	374
Mk.II Details	32	649
Design amended to prevent prematures	34	754

GRENADES (Contd.)

No. 75, Hand, A/T.

Mk. I Details	23	373
Igniter assembly, etc.	24	388
Fillings, detonators and No. 75A	25	429
Assembly of detonators with igniters	26	444
Markings	32	684
Fitting of waxed felt washer in neck	34	763
Alternative explosives	35	821
Practice grenade	34	787
Fillings	38	946
Mk. II Details	38	927

No. 76, (S.I.P.) Hand

Details	12	118
Nomenclature	28	506
Storage	18	213
Fire risks	20	286
Inspection and Proof	22	341
Use of paper sleeve when fired from 2.5" projector	29	547

No. 77 W.P., (Mk. I) or F.M. (Mk. II), Hand

Mk. I Details	28	504
Mk. II Details	33	699
Mks. I and II. Type of No. 247 fuze to be used.	36	870

No. 79, Hand, Smoke

Mk. I. Details	32	637
Dimensions and weight of package	34	761
Modification to igniter system	37	905
Use of P.N. 398 or P.N. 436 as a filling	36	861

No. 80 (W.P.), Hand

Mk. I. Details	39	972
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No. 82, Hand, A/T

Mk. I. Details	35	808
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No. 83, Hand, Smoke

Mk. I. Details	39	980
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GENERATORS (SMOKE AND LACHRYMATORY)

No. 8, Smoke

Proof	11	110
Mks. II and III: Use of propellant charge discontinued	18	231
Mk. I Obsolete	34	753
Mk. V Tail smoke emission only.	37	890

No. 18, Smoke

Mk. I. Details	20	291
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No. 24, Smoke

Mks. I, II and III. Details	33	728
Mk. II. Amendment to design.	36	863
Mk. I. Obsolescent.	39	977

No. 26, Smoke

Mk. I Details.	34	795
Times of burning	36	864

No. 28, Smoke

Mk. I Details	39	970
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GRENADES (CONTD.)No. 75 Hand T/A

Drill Mk. II	41	1061
Burrowite Filling	43	1139

No. 75 A/T Hand
Mk.3 - Obsolete

50	1466
----	------

No. 77 Hand

Temporary Wrapping	41	1047
Mk. 2 : Charging Hole Plug	45	1235
Package.	47	1299

No. 79 Hand Smoke ML -
Use of Fuze No. 247 Mk. 2.

45	1229
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No. 80 Mk. 1 : Number constituting filled lot.

47	1314
----	------

No. 82 Hand Drill

43	1131
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" " "	Mk. 1 : Change of Mark.	46	1262
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" " "	Drill : Packing.	46	1274
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No. 83 Hand Smoke Mk. I Marking

40	1005
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Smoke Mk. II	44	1187
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Smoke New filling compositions	44	1183
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No. 91 Hand - Mk.1 Introduction (Fig. 601)

50	1478
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Generators.

Smoke "Obsolescent"	44	1201
Smoke "Obsolete" stores.	48	1355

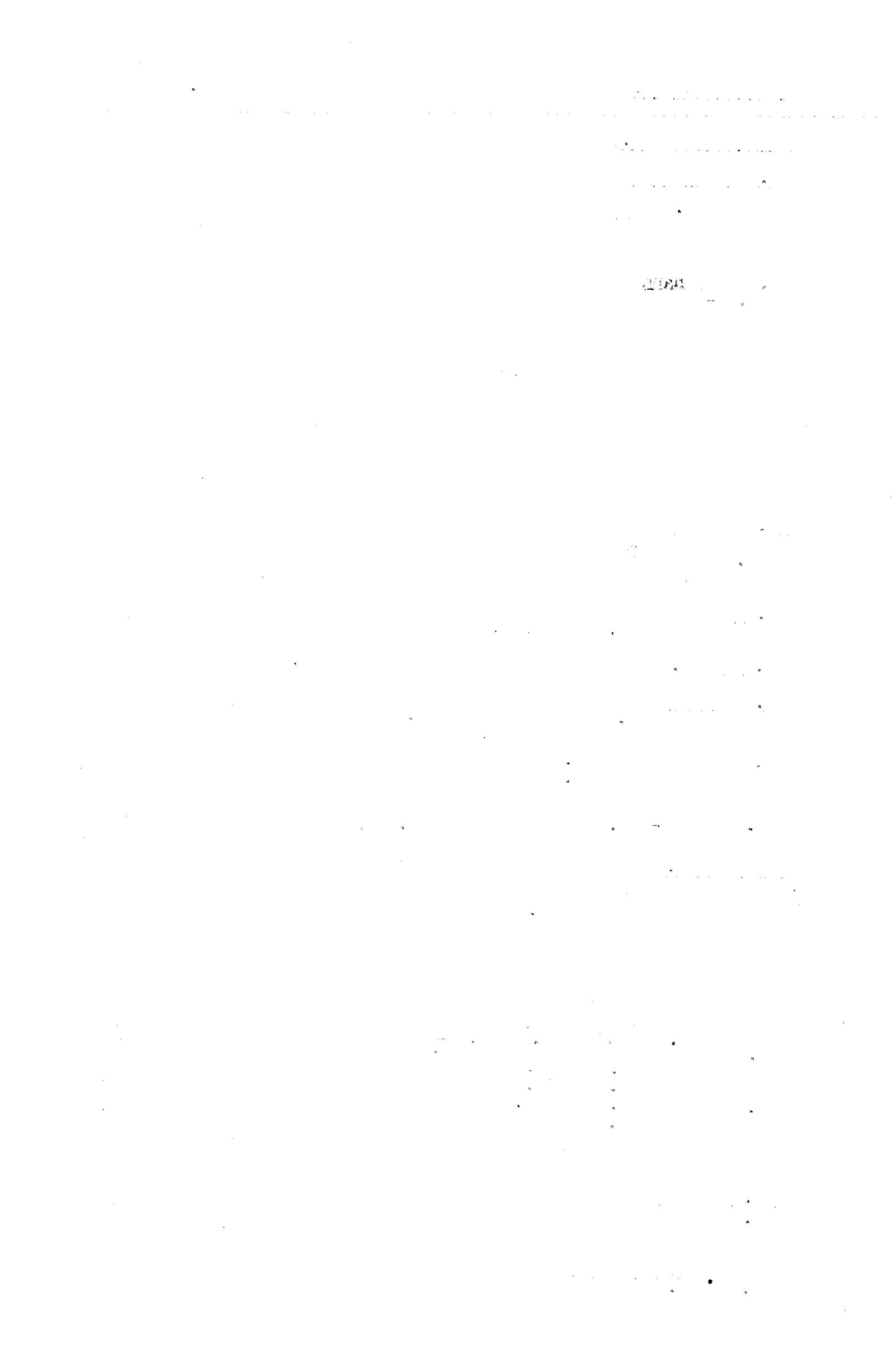
No. 17 Mkl No. 25 and No. 26 Mk.1 - obsolescent	49	1408
No. 18 Mk.1 - obsolescent	50	1453
Smoke No. 18 Mk.1 & No. 28 Mk.1 - obsolete	48	1005
No. 24 Smoke Filling and Marking.	48	1360
" " " Mk. 4 (Fig. 559)	48	1361
" " " Mk. 5 (Fig. 560)	40	1014
No. 25 Smoke Mk. II (Fig. 399)	42	1109
" " " Mk. I and II "Obsolescent"		

No. 28 Smoke

Mk. I : Time to effective smoke emission	47	1315
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Generators Chemical

No. 30 Mk. I	48	1362
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IGNITERS

Electric No. 88 Mk. 2	46	1260
No. 90 Mk. 2	46	1261
BL Cartridges : Marking.	47	1326A
No. 88 and 90 Group Classification.	47	1303

INSTRUCTIONAL IGNITER No. 74 Grenade Mk. 2 46 1257

IMPLEMENTA ANN - Key No. 224 Mk. 1 46 1258

KEYS

Key No. 36M Grenade, All Purposes Mk. 1 45 1234
" No. 224 Mk. 1 Implements Amn. 46 1258

Marking of shell fuzed Base Perc Nos. 159, 270,
346, 480.

45 1223

MINES

Anti-personnel No. 5 43 1155
" " " " Sealing label. 45 1228

GENERATORS (Contd.)

No. 2, Lachrymatory
Mks. I and II. Obsolete

34 753

MINES

Marking. Monogram of filling factory 33 713
"B", Type "C"
Details 27 479
Changing of resistance spring 27 480

Contact, A/T.

Mks. I, II and III. Details 5 41
Mk. III. Safe load. 7 64
Mk. IV. Details. 9 84
Mks. IVC, V and VC. Details 28 509
Mk. V. Amatol filling 28 510
Mk. V H.C. T.N.T. filling 33 716
Mk. II. Obsolete 39 967

Shrapnel, Mk. I

Details 12 187

MORTAR AMMUNITION

Marking. Monogram of filling factory re Head filling and Body charging. 33 743
33 717
Primary cartridges. Air cushion wads as alternative to felt. 34 782

2-in.

Table of 4 25
Signal or Illuminating - Table 14 149
Signal. 18 227
Smoke, Mk. II. 18 228
" " Marking. 33 718
Illuminating with parachute, Mk. I. 18 229
H.E. packing of Batches 27 489
Filling and Marking details 37 915
Packages 4 26
27 489
Smoke, Signal and Illuminating - Markings 33 708
Fuzing 33 711
Cartridges -
55 Gr. Ballistite Mks. I and II 18 222
47 Gr. Ballistite Mk. II. 19 246
55 Gr. Ballistite. Alteration in filling 36 871
52 and 47 Gr. 81 mm. powder. Nomenclature. 38 933

3-in.

Chemical, Bursting. M. of Charging 9758 22 333
Duplication of Batch markings 18 220
Fuzing 19 256
H.E. Mk. III. Bearing American markings. 36 856
H.E. List of Batches issued with incorrect M. of F.No. marking. 20 289
Methods of filling 20 281
Packages 4 26
Packing of Batches. "Fraction" boxes not to be packed. 33 697
Star, 10-lb. Mk. I. 17 202
33 703
Smoke, 10-lb. Marking 'FM' or 'CSAM' 33 719
Smoke, observing, 10-lb. Mk. I. 17 201

MORTAR AMMUNITION (Contd.)

<u>3-in. (Contd.)</u>		
Storage	32	639
Table of	4	25
Cartridges -		
Augmenting. Use of Cordite W. or W.M.	20	284
" Propellants	24	399
" 1260 Gr. N.C.(Y) Charge. (6 210 gr. cartridges)	30	588
" 277 Gr. Neonite No.12 Mk.s. I and II.	36	874
Combination of primary and secondary charges for filling in Great Britain and Canada.	35	848
Primary, 95 grain Ballistite Mk.s. VIII and IX	18	221
Use of Hercules 81 mm. powder and Mk. X.	23	366
<u>4.2-in.</u>		
Duplication of batches	35	834
Tail units. Marking	33	721
Securing to bomb	33	714
Tightening with shakeproof lock washer	37	899
Rustproofing of guide bands	33	726
H.E. Mk.I	29	542
Chemical, Mk.I.	29	540
Smoke, Mk.I.	29	541
Practice, Inert, Mk.I	29	543
Practice, Bursting, Mk.I.	29	544
" " " Marking.	33	725
Cartridges -		
Primary and augmenting	29	545
<u>6-in.</u>		
Exploders for	17	198
	18	233
<u>29 mm. Spigot Mortar</u>		
Cartridges markings and fairings	24	382
Nomenclature details	26	448
Practice bombs. Insertion of tail tubes	29	523
H.E. bombs, Alternative filling	28	508
Packages	26	447
Filling and Marking details	37	915
Bombs -		
H.E. 14-lb. Mk.I.	22	336
H.E. 20-lb. Mk.I.	22	337
Practice, 14-lb. Mk.I.	22	339

NAVAL AMMUNITION USED IN LAND SERVICE

Table of, for Coast Artillery equipments	20	274
	23	351
Cartridges, B.L.		
7.5-in. for Mk.VI gun	24	380
15-in., 8-in. and 7.5-in. for Coast Artillery	29	529
Fuzes -		
Perch., Base, large:-		
No.158 and 158A	29	537
" 345 and 345A	29	538
" 479A Mk.I.	24	387
Perch. D.A. No.3600 Mk.I.	29	535
Time:-		
No.198 Mk.II	29	533
" 206 Mk.II	29	534
" 400	29	536

MORTAR AMM (CONTD.)
3-in (Contd.)

Package Markings	43	1030
Ctges Aug 280 Gr Neonite Packing and Labelling.	43	1030
Ctges ML	43	1127
Ctges Smokeless 90 grs Ballistite	44	1194
" 95 Gr - "Obsolescent"	44	1195
" ML - Augmenting:- Obsolete and obsolescent	50	1458
" " " :-180 gr. Mk.8Z NCRP Mk.2.	50	1472
Design approved.	51	1500
<i>Aug. 65 Gr. Hercules 81 M/M Powder - Design cancelled</i>		
<u>4.2-in.</u>		
Package Markings.	42	1103
Ctges Drill Aug Mks II, III, IV and V.	42	1093
Nomenclature - Future policy as regards Land Service.	45	1231

NAVAL AMN.

Package Markings	40	1017
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PACKAGES

Simulators Gun Flash	40	1007
Amn Distinctive marking for Jungle warfare	43	1149
" Special marking to facilitate identification	43	1141
Amn Special markings to facilitate identification	45	1240
" " " " " "	46	1267
" Distinctive marking for Jungle warfare	48	1377
" Method of securing	48	1381
Ctges QF 6-pr 10 cwt	41	1042
Ctges QF 6-pr 10 cwt	40	1004
Ctges BL 5.5-in Gun	40	1001
ML 3-in Mortar Amn	44	1182
Box Amn SB ML 4.2-in Mortar Bl83 Mk. 1	46	1277
Ammunition Stencilling and Labelling	49	1399
Carriers, ML Mortar Amn.		
Wartime concessions (Chemical Tests waived)	49	1407
SCENCILLING ON AND Explosive Group Labels	51	1498
Markings On - Operational -	51	1509
For SB 4.2-in Mortar - Superseded by Tropical Designs	51	1503

SAA.

Simulators Gun Flash No.4 Mks. 1&2 and No.5 Mk.1	49	1397
Design cancelled		

Boxes

Boxes ASA H50 Mk. 1. Inclusion of drainage and vent holes.	48	1349
Boxes Amn G312 General purpose.	42	1111
C206 and C207 Additional Markings.	42	1110
" Amn - Alternative webbing handles.	45	1219
" ASA H50, H51, H52.	45	1244
" ASA H50 - Extension of use.	45	1230
" H50 and H56 - Stencilling.	48	1368

NAVAL AMMUNITION ETC. (Contd.)

Mine, "B", Type "C"	27	479
Description	27	480
Changing of resistance spring	27	480
Packages, Naval Ammunition for Coast Artillery equipments	23	350
Q.F. 5.25-in. A.A. Components of complete rounds, packages, etc.	26	452
Shell -		
H.E. for Coast Artillery. Explodering and fuzing.	25	428
B.L., H.E. 6-in. Mk.IX A.Q. Explodering for fuzes of the No.45 type	25	449
B.L., H.E. and Piercing types for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.	29	530
Weights and dimensions	29	531
Markings	29	532
Shell Markings	23	353
Tracer, Shell, No.8 Mk.I	29	537
Tubes, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.	29	529

PACKAGES

For:-

A.A. ammunition	1	2
	1	19
Aircraft bombs		
A.S., A.P., R.L.	11	107
Chemical	6	50
Incendiary	6	51
	14	147
S.A.P.	9	82
Cartridge, B.L. 26-cwt. How., Super charge	27	487
Cartridge, Q.F. 25-pr. 5½-oz. Super charge	39	969
Coast Artillery ammunition		
B.L.	20	278
Q.F. separate	20	279
Q.F. fixed	20	280
Naval types	23	350
Field Artillery Q.F. ammunition	2	10
Fuzes		
F.24/31 R.Y.G.	32	661
No.221. Bulk packing.	34	781
Medium Artillery B.L. ammunition	3	18
Mortar ammunition		
29 mm. Spigot, Mortar	26	447
2" (Signal and Illuminating)	14	149
3" and 2"	4	26
	27	489
3" Bulk packing of 210 gr. N.C.(Y) augmenting charges	36	853
Pyrotechnic Stores, various	10	95
	33	709
S.A.A:		
4	28	
4	30	
31	624	
33	731	
34	762	
Simulators, Gun flash		
Smoke round 2" Bomb Thrower	14	150
Tank ammunition	5	40
Boxes:-		
Charges, P.E. M.91 Mk.I	18	234
C.L./T.N.T. Slabs, W.109 Mk.I.	34	756
No.74 Grenades		
G.110 Mk.I and II	39	973
G.112 Mk.I	39	961

PACKAGES (Contd.)Boxes (Contd.)

No. 75 Grenades			
G.111 Mk.I	38	945	
P.60 Mk.II			
Stores packed	35	833	
Q.F. 40 mm.			
C.297 Mk.I	34	752	
C.280 Mk.I (Hamper)	33	735	
Q.F. 75 mm.			
For British rounds	29	553	
C.283 Mk.I (For N. American production)	38	936	
Q.F. 2-pr. Mk.IX to KA guns.			
Boxes for N. American production	35	815	
Q.F. 6-pr. 6-cwt.			
C.303 Mk.I	34	779	
C.298 Mk.I	35	814	
Q.F. 6-pr. 7-cwt.			
C.286 Mk.II	35	813	
Designs for manufacture in Canada	34	767	
Q.F. 3-in. 20-cwt.			
C.204	34	755	
Q.F. 17-pr.			
C.310 Mk.I	36	876	
Rocket, 'U' 3-in.			
M.97 Mk.I for Tails, propelling	35	809	
S.A.A.			
H.29 Mk.II	36	857	
Details of decisions concerning H.29 box.	36	865	
H.49 Mk.I.	39	965	
S.B., M.L. 4.2" Mortar			
B.182 Mk.I	36	849	

Containers, Crates, etc.

Carrier, Anti. Inf. Projector A.Tk. No.8, Mk.II Packing	37	896	
Container, Ctge. No.23 Mk.I.	37	904	
Crates, Mine, A.Tk. M.138.	33	695	

Markings on packages.

Cartridge, B.L. 9.2-in. How. for use with 315-lb. shell	8	7	
Cordite in bulk. Weight marking	33	724	
Details of (except S.A.A.)	37	914	
Discontinuance of "A.C." marking	6	59	
Fuze particulars	10	98	
Instantaneous Fuze. Package markings	33	706	
N.C.T. containers	14	145	
Omission of word "BATCH"	4	37	
Pyrotechnic Stores	33	710	
"Q" markings omitted on all Q.F. cartridge packages	38	920	
Q.F. 40 mm: when rounds are fitted with S.D. Tracer	32	659	
Q.F. 3.7-in. A.A.			
Containing cartridges filled Cordite N/S.	27	482	
Containing cartridges made up in Canada. "Q" markings omitted.	32	655	
Q.F. 4.5-in. A.A.			
Special marking when containing cartridges made up with Cordite.	8	74	
M.D. or R.D.B. of 1918 manufacture.	17	203	
Special marking when containing cartridges made up with American 1918 N.C.T.065	15	161	
Q.F. 4.5-in. How.			
Marking when containing Smoke shell	30	566	
Rocket, 'U', 3-in.			
Marking when containing Tails, propelling	21	386	

PACKAGES (Contd.)Boxes (Contd.)

QF 3.7-in Mk. VI	41	1038
C.284		
QF 3.7-in Gun, C.213.	49	1407
Wartime concessions. (Boxes for repair).		
Cases Cordite C.128 - Repairs.	49	1407
Wartime concessions.		

QF 17-pr C.317 Mk. 1	40	999
" " C.310 Mk. 1	41	1072
QF 25-pr Ctges C.267 "Obsolescent"	41	1051
ASA "Obsolescent"	47	1292
ASA H.13	47	1301
SAA H.31 - Extension of use to pack 3" M. Ctges.	42	1096
ASA H.31	43	1157
SA : Identification of contents and method of packing.	46	1269
Explosive M148 : Extension of use.	40	1010

Containers, Crates, etc.

Ammunition.	40	1006
Containers Ctges QF 25-pr No. 211	40	1009
Cylinders Ctges - Crating during transit	40	997
Containers Ctges 17-pr.	41	1070
" " No. 61 Mk. I (6-pr 7 cwt)	42	1092
" " No. 66 Mk. III (2-pr IX and X)	42	1091
" " No. 226 Mk. I (40 mm)	42	1097
" " No. 229 and 230 (2-pr IX and X)	43	1144
" " No. 223 and 236 (6-pr 7 cwt)	43	1136
Containers Ctges No. 246	44	1205
No. 249	44	1188
No. 250	44	1189
Cylinders, paper, No2. 1 & 2 (25 pr.)		
Wartime concessions. (Chemical Tests waived)	49	1407
QF & BL Ctges.		
Wartime concessions. (Chemical Tests waived)	49	1407
Liners and Discs		
Wartime concessions. (Chemical Tests waived)	49	1407



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Mar 4.2-in Package Markings.	43	1130
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Explosive Labels	40	1013
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Fuze Instantaneous Reel Box Package.	41	1063
Cyl. and Boxes for Fuzes, Gaines, Primers and Tracers.	44	1190
Water-tight Steel Boxes - Inner Lids.	46	1279
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Application of Luting.	40	1012
Field CE 1-oz. : Packing.	48	1380

PACKAGES (Contd.)Markings on Packages (Contd.)

S.A.A. packages. Distinguishing marking	7	63
Wood packages. Branding of contractor's initials or trade mark.	33	690
Yellow interrupted line on packages containing Batched Ammunition to be disregarded.	11	13
<u>General</u>		
Government Explosive Label. Stencilled design	36	850
Metallic packages approved for conveyance of small consignments of explosives by rail	31	623
Packing of grummetts discontinued, Q.F. 25-pr. Shot, A.P.	32	656
<u>Painting</u>		
Use of brown as a substitute	27	486
Use of green as alternative to brown	34	778
Steel packages, watertight. Instructions re opening and closing	33	692
Sunlight on packages	3	20
Transport and stacking	4	34
	5	43
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PHOSPHORUS BURNS

Treatment of	38	928
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PLUGS, FUZE-HOLE, ETC.

Fuze-hole		
2-in. No.4 Mk.IVF.	30	584
Use in B.E. Chemical shell	34	774
Used for transit purposes. Marking.	25	421
Marking of non lead free brass plugs	24	406
Moulded plugs	22	345
Types used for practice		

PRIMERS, Q.F. CARTRIDGE

Colouring of caps to indicate initiator filling	29	546
Keys -		
No.86 for Primers No.1, 2, 5, 9, 11, 12, 15, 16 and 17.	37	902
" 193 Mk.I for Primer No.1	39	962
" 194 Mk.I " " No.9.	39	962
List of, with details and uses	36	868
Q.F. composition for caps	14	144
	16	181
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'Q' Primers		
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Marking of ammunition packages containing	31	607
Stabbing in position. To cover all Q.F. cartridges.	32	663
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	28	513
No.1, Mk.II: Substitution for No.9 or 11 on emergency Q.F. 4.5" and 3.7" A.A.	11	108
No.11. Use with Q.F. 4.5" cartridges filled N.C.T.065, as emergency measure	18	216

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No.12 and 18. Use of cap composition	19	258
	28	519
No.15, for Q.F. 3-pr. and 6-pr. S.C. cartridges.	23	367
No.27. Use in Q.F. 2-pr. Mk.I Gun, S.C.	34	784
No.28	24	389
	28	512
No.29 Mk.I	34	762
No.30 Mk.I	34	790

PROJECTOR, 2 $\frac{1}{2}$ -INCH

Charges, 10 dr. Mk.s.I and II	33	702
	35	829
Salvage of rubber pads from charges	27	488

PROJECTOR, INFANTRY, A.T.K.

Bomb. Filling and Marking details.	37	915
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PROPELLANTS

Ballistite and N.C.(Y) in Mortar cartridges. Suspension of heat testing.	30	563
Code letters		
Indicating various natures	9	86
	21	316
	24	397
	27	475
Cordite A.N.	36	854
" H.S.C.T./K.	36	866
F.N.H./D.B.	31	611
Cordite		
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Bofors	2	14
	17	203
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C.D.T.	30	551
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M.4.X.	30	559
Use for burst short charges in Q.F. 4.5", 3.7" and 3" 20-cwt. guns.	21	311
Stability	31	610
Nomenclature and composition of propellants	32	635
onite	6	56
C.T.		
Notes on	13	126
Natures of, and code letters	14	145
1914-1918 manufacture. Service life extended.	22	329
	31	613
	31	616

PRIMERS CTGES QF.

No. 34 Mk. 1 Fig. 398.

40 1002

No. 29 Mk. 1 "Obsolete"

41 1055

PROJECTORS, 2½-IN.

Mks. I and II "Obsolete".
Bombs HE/AT Infantry projector AT Mk 1,1A,2 & 3
obsolescent

41 1054
49 1423

PROPELLANTS.

Code Letters
Service life of NH.050 Lot MA 361 Ext.

40 995
43 1126

Cordite SC and HSC : Nomenclature of Tubular.

43 1156

Neonite

Extended system of Nomenclature.

42 1115

PROJECTILES

5.5" HE BL and below. Re exploder containers. 47 1298

QF
40 mm.

Practice VIT and IXT Markings. 42 1100
Spray Painting. 42 1095

95 mm

Smoke emission Tk/How New Delay.	40	998
HE Mk. IA (Fig. 419)	41	1043
Tk Howr Ctgcs	42	1098
SP and Inf How 13 oz. 11 dr. Cord WM.029	42	1099
Smoke BE SP Inf How : Ext. of use to Tank.	42	1101

PROPELLANTS (Contd.)

N.C. powder for various types of S.A.A.	36	877
N.C.(Y)		
Colouring	24	400
Smokeless, to be known as N.C.(W)	32	648
N.H. and F.N.H. Nomenclature	30	558
Nitrocellulose powder in American 75 mm. ammunition. Sentencing.	18	239
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PROJECTILES

B.L.

5.5-in.

H.E. S/L. Mk.ID.	21	321
Distinguishing marking, 80-lb. S/L. projectile	36	872
Standard weight, 80-lb. projectile	37	911

6-in.

Chemical, bursting. "Obsolete" Marks	38	944
C.P.B.C. Repair of broken fillings of T.N.T./B.W.X.	23	369
H.E. Mk.XXVI/XXB, XXVII A.Q. and XXIXB. (M. of F.DD/L/4052)	32	665
H.E. S/L. 100-lb. Weight marking.	27	483
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature.	37	912
H.E. Mk.XXB in Coast Artillery. Conversion of exploder system for landwards firing with Fuze 119.	26	458

7.2-in.

Gauges approved.	33	667
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9.2-in.

A.P.C. Mk.XXIIIB. Conversion of	37	910
H.E. Mk.XIIIA and XVIIB. M. of F. DD/L/4052	32	665
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature	37	912
315-lb. How. shell. Identification.	8	77

Q.F.

40 mm.

H.E.,		
Marking when filled Pentolite	37	895
Mk.IIT. Modification to tracer cavity	38	938
Sealing of Pentolite filled shell	35	817
Varnishing of driving bands	34	775
Projectile, practice		
Mk.IIT	21	319
Mk.IVT	36	855
Mk.VIT	33	700
Mk.IXT	39	959
Nomenclature list	39	981

75 mm.

H.E., M. of F.	19	255
Smoke Emission, Mk.I and II. M. of F.	26	441

95 mm.

List of shell	35	825
H.E., Tk., S.P. and Inf. How., M. of F.	35	826
Smoke emission, Tk.How., M. of F.	35	827
Smoke, B.E., S.P. and Inf. How., M. of F.	35	828
Use of T.N.T. as a filling for Shell, H.E. S.P. and Inf. How.	39	982

PROJECTILES (Contd.)		
<u>Q.F. (Contd.)</u>		
<u>2-pr.</u>		
H.E. Mk.II. M. of F.	33	730
<u>12-pr. 12-cwt.</u>		
H.E., M. of F. DD/L/12157	26	454
<u>17-pr.</u>		
H.E., Mk.II and III. M. of F.	36	859
<u>25-pr.</u>		
Chemical, B.E., S/L. Mk.VIID. Method of head filling	26	445
DD/L/12974		
Chemical. Marking.	33	715
H.E.		
Filling	33	722
Use Grade II T.N.T. with Amatol 40/60	36	852
Shot, A.P.,		
Issued during emergency with wet markings	13	129
Packing of grummetts in packages discontinued	32	656
Table of 25-pr. projectiles.	34	794
<u>3-in. How.</u>		
H.E.,		
Mk.II. M. of F.	26	442
Standard fuze	34	749
Smoke emission, Mk.I. M. of F.	26	440
<u>3-in. 20-cwt.</u>		
H.E.,		
Omission of smoke box	25	431
" " " " cancelled.	30	583
<u>3.7-in. Gun.</u>		
H.E.,		
Marking to indicate rusted cavity walls	26	481
M. of F. Amatol 50/50.	22	328
Omission of smoke box	25	431
" " " " cancelled.	30	583
<u>4.5-in. Gun.</u>		
H.E.,		
M. of F. Amatol 50/50	22	328
Omission of smoke box	25	431
" " " " cancelled	30	583
<u>4.5-in. How.</u>		
Chemical bursting, Mk.XII. "Obsolete"	38	944
<u>6-in. Gun.</u>		
H.E. Mk.XXB in Coast Artillery. Conversion of exploder	26	458
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Attachment of penetrative caps	33	712
Blind shell. Disposal of	38	94
	4	3
	13	125
<u>B.L. or Q.F.</u>		
Chemical, B.E. Method of Head filling 10171 and 10593	22	33
Chemical bursting. Method of Head filling 8154.	22	33
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weight of filling.		
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HE 12-pr 12-cwt. "Obsolescent". 46 1275

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Shell QF Smoke BE. Mk.7B and 8B - obsolete. 49 1430

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3-in How.

Smoke Emission "Obsolescent" 42 1103

3.7-in Gun.

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Filled Amatol for Field Army. Inclusion of smoke box filled	19	261
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	33	709
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	34	780

Rocket Amn and Package Markings.

43 1140

Rocket U" 2-1inch.
Obsolete:
Nomenclature: "FS" "SS"

51 1506.
51 1499.

SAA

Universal package.	47	1300
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41 1056





SAA

.455-in
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.55-in.
Obsolete. 51 1512

7.92 mm
Mixed packing. 41 1040
Metal-cum-Fabric Belts. 42 1113

9 M/m.
MK12 : Obsolete 51 1507

15 mm
Ammunition S.A. 15 mm - Obsolescent 50 1470

20 mm
Oerlikon Marking. 44 1198
Hispano - Identification Marking. 44 1199

<u>S. A. A. (Contd.)</u>		
<u>.303-in. (Contd.)</u>		
"0" Observing. Inspection	30	571
Drill. Omission of base markings	38	925
Rifle Grenade Ctge. Alternative propellant	24	403
Standardisation for all Services.	16	178
<u>.55-in.</u>		
Proof	11	110
<u>7.92 mm.</u>		
For Besa medium machine gun	7	68
<u>9 mm.</u>		
Mk. IZ	32	652
Labelling of packages	34	773
<u>13.2 mm.</u>		
A.P. Proof	11	110
<u>15 mm.</u>		
For Besa heavy machine gun	7	68
<u>20 mm.</u>		
Hotchkiss	4	38
Hispano gun		
Classification	7	69
Description	9	87
Identification marking H.E. cartridge	15	165
Oerlikon gun	28	516
	30	592

S.B., 3-IN. GUN.

H.E. complete round	19	264
	22	342
Bomb, H.E. A.T.K.	32	657
3" Mortar Bomb - Obsolete for use in 3-in. B.S. Gun.	34	765

STATION MONOGRAMS

Additions to Magazine Regs. Pt. I, App. III.	19	268
	21	317
	23	375
	31	628
Amendment to Item 317, Bull. 21.	24	384

STORAGE AND TRANSPORT OF AMMUNITION

A.A. ammunition for A.D.G.B. Storage	1	3
Ammonium nitrate. Storage.	17	197
Bin type buildings.	1	4
Bin type storehouses for A.A. practice cartridges.	2	13
Binless A.D.G.B. storehouses.	1	7
	2	16
Chemical stores: Transport and Storage.	8	78
Conveyance of explosives.	23	361
Electrically operated types of ammunition - Effect of radio transmitters on. Precautions.	25	434
Explosives Category for Safety Distances	4	33
Floors for buildings containing explosives	34	759
Grenades, S.I.P., Storage.	18	213
Heating of A.D.G.B. magazines.	1	6
3" Mortar bombs. Storage	32	639

STORAGE AND TRANSPORT OF AMMUNITION (Contd.)

Projector, 3-in. Storage of Ammunition.	17	193
	18	232
	25	426
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Safety distances	1	5
	16	176
Sea conveyance of ammunition. Changes in stowage details	36	862
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	32	664
Stacking of ammunition.	2	11
Steel ammunition boxes. Transport and stacking	4	34
	5	43
Transport. Use of net slings forbidden	27	474

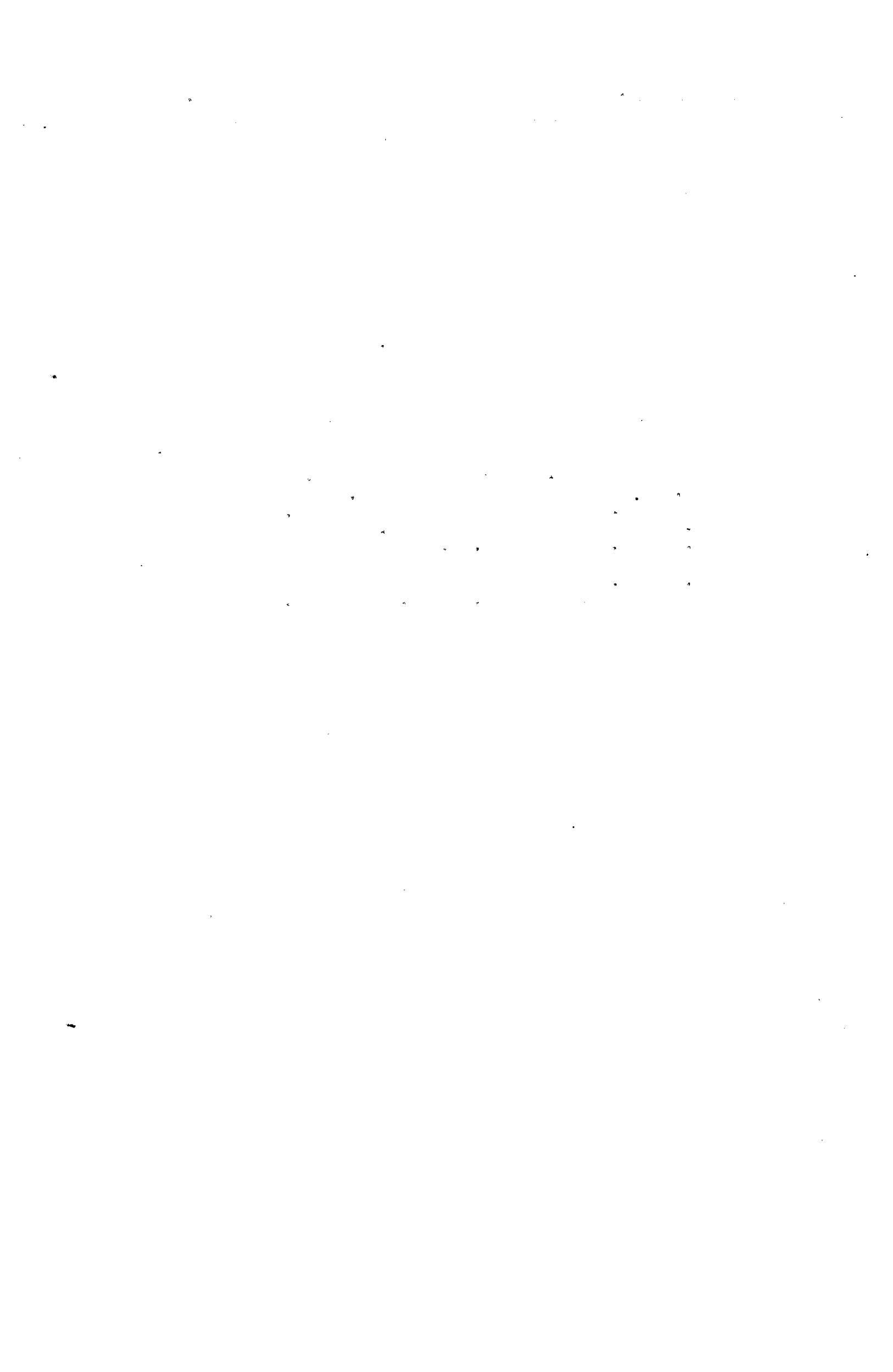
TABLES OF AMMUNITION

A. A. (complete rounds)	1	1
Bombs, aircraft,		
A.A.S., A.A.P., R.L.	11	107
Chemical	6	50
F. and G.P.	8	72
Incendiary.	6	51
	14	147
S.A.P.	9	82
Cartridges, B.L. and Q.F. to Land Service designs for Naval equipments in Land Service.	34	791
Cartridges		
Q.F.		
2-pr.	32	679
6-pr. 7-cwt.	32	680
11-pr.	32	681
25-pr.	34	794
10 mm.	33	733
75 mm. (British Army.)	29	552
6.5-in. Gun	33	734
B.L.		
4.5-in. Gun	38	947
5.5-in. Gun.	38	948
7.2-in. How.	34	793
	35	810
Coast Artillery		
Weights and dimensions of B.L. ammunition	20	275
" " " " Q.F. (separate) ammunition	20	276
" " " " Q.F. (fixed) ammunition.	20	277
Field Army (Q.F. complete rounds)	2	9
Fuzes, and equipments with which used	19	269
Heavy and Super Heavy Artillery. B.L. cartridges. Weights, dimensions and packages.	21	312
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Naval guns in Coast Artillery. Ammunition.	20	274
	23	351
	29	529
	29	530
Pyrotechnic smoke. Various	10	93

Cylinders Crates during transit.	40	997
Storage of Ammunition.	40	994
Empty Shell in Transit - Use of Washers.	42	1112

BL.

6-in 26 cwt Howr.	40	1019
60-pr Gun.	40	1018
7.2-in Howr Revised Nominal Charge Weight.	40	1000
Weight Marking on Filled Shell.	41	1041
Ammunition - BL 6 in Howitzer Mk.1 - obsolete	49	1419
" - BL 6 in Gun Mk.19 - obsolete	49	1439
" - BL 12 in How. BL 9.2-in How. and BL 9.2-in Gun Mk.13. 13+ and 13A obsolete	49	1436
" - SB 3-inch Gun - obsolete	49	1437



TABLES

Shot and Shell, AP and Practice types. 45 1245

TRACERS

Tracer and Igniter No. 14 6-pr 7 cwt AP Shot.	42	1102
Shell Nos. 21 and 22 - Method of Sealing.	43	1129
Igniter No. 11 and 14 - Method of Closing.	44	1192
Shell No. 21 and 22 - Time of burning.	44	1191
No. 24 Mk. 1 and 26 Mk. 1.	44	1181
Shell No. 13 Mk. 4	45	1241
Tracer and Igniter, Shell No. 14 Mk. 2B and 2E.	48	1367

TABLES OF AMMUNITION (Contd.)

S.A.A. (.303" "W", "G" and "O")	4	27
S.A.A. (other than .303")	4	29
Shell, Q.F. 25-pr.	34	794
Tank ammunition	5	39
	25	430

TRACERS

Nos. 1 to 15	32	650
No. 8 Mk.I (Naval) for Coast Artillery	29	539
Nos. 13, 14 and 15. Details.	31	618
Nos. 10 to 15. Bodies to be made from V.I.B. steel	36	847
Integral type filled to DD/L/14187	30	590
Self destroying. Marking of Q.F. 40 mm. rounds fitted with	32	659

TUBES

Heavy and Super Heavy equipments. Tubes used	21	303
List of, for guns and howitzers. Details and uses	35	835
Methods of filling. Use of G.7 gunpowder as alternative to solid pellets.	23	368
Naval, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery	29	529
Perucssion, S.A. Mks.III and IV.	20	294
Percussion, S.A. Stabbing to prevent gas seal moving forward.	32	641
War time concessions to facilitate supply, etc.	28	514

(B) AMERICAN AMMUNITION

		Bulletin No.	Item
American terms used in connection with ammunition and British equivalents.		27	467
		30	569
<u>B.L. Ammu.</u>			
<u>155 mm. Gun.</u>			
Shell, H.E. M101 and details of complete round		27	468
<u>155 mm. How.</u>			
Shell, H.E. M.107 and details of complete round.		27	472
Cartridge, B.L. 6-in. How. N.H.025 of American manufacture. Certain lots marked with incorrect code letter.		25	412
<u>CARTRIDGES, Q.F.</u>			
<u>37 mm. Gun.</u>			
Shot, A.P. M.51 for A.Tk. gun M3.		18	224
Details		25	447
Lot 1 N.F. and 2 N.F. to be practice ammunition.		26	446
Modifications to packing		34	771
Use extended to include M5 and M6 guns		25	415
Shot, S.A.P. M74 for guns M3, M5 and M6		34	768
Details			
Packing			
<u>40 mm. Gun</u>			
Markings on ammunition manufactured in U.S.A.		24	396
		27	484
<u>75 mm. Gun.</u>			
H.E., M48. Details		24	391
Shot, A.P. M61		19	250
Details		30	575
Nomenclature altered to "Shot, A.P.C. M61"		38	935
Modification to packing			
<u>75 mm. How.</u>			
H.E.A.T. M66 for M1 and M1A1 How. Details		31	606
<u>76 mm. Gun.</u>			
H.E. M42A1 for M1 gun. Details		31	607
Shot, A.P.C. 3-in. M62 for M1 gun. Details.		33	686
Smoke, 3-in. M88. Details.		33	689
<u>90 mm. Gun.</u>			
H.E.		24	394
M.58 for M1 gun. Details		34	786
M.71 " " " Details		34	777
Box, packing 90 mm. gun ammu.			
Case, Cartridge			
M5A1 and M5A1B1 (75 mm. How)		31	606
M16 (37 mm.)		18	224
M18 (75 mm. gun)		13	137
M19 (90 mm. gun)		24	394
M26 (76 mm. gun)		31	603
<u>CARTRIDGES, IGNITION (MORTAR)</u>			
M3		28	439
M5		28	495

FUZES

Base, Detonating	31	606
M62		
Point, Detonating	23	390
M46	24	393
M48	27	474
M51	28	500
M52	31	602
M53	29	525
T18E2	31	609
New nomenclature "P.D.M57"		
Time, Mechanical	24	395
M43A1		
M43A3	34	785
Difference from 43A1 not available		
Time and Super quick	29	51
M54		
M1 for Mine, Contact, A.Tk. M1.	30	578
Precautions in handling		

GRENADES

Hand		
Fragmentation, Mk.II	31	604
Offensive, Mk.IIIA1	31	605
Rifle, A.Tk.		
M9A1	31	599
Practice, M11A1	31	600

INCREMENTS, PROPELLANT (MORTAR)

M1	28	497
M2	34	770
M3	28	498

MARKINGS

Fuzes, P.D.	27	477
Projectiles	27	476
Q.F. Ammunition: The Ammunition Lot	26	450

MINES

Anti-tank	31	601
Dutch		
Contact, Anti-tank	30	577
M1	31	603
Replacement of Fuze M1 by Fuze M1A1 and Booster M1A1		

MORTAR AMMUNITION

60 mm. M1 and M2	28	497
H.E. complete round with Shell, M49A2	28	497
Practice, complete round with Shell, practice, M50A2	28	497

MORTAR AMMUNITION (Contd.)

81 mm. M1 and 3-in. Mk.IA2.

H.E.

Complete round with Shell, M43A1

28 497

" " " Shell, M56

28 498

Smoke, complete round with Shell, M57

28 499

34 769

NOMENCLATURE

Gun ammunition manufactured in Canada.

30 561

PRIMERS, PERCUSSION

M1B1A2

31 606

M22A1

24 391

M23

18 224

M28A1

24 394

M28A2

31 603

M31

19 250

M32 (Mortar)

28 495

21 Grain, Mk.IIA1

34 776

27 469

S. A. A.

Base marking

21 318

Steel cases

38 930

(C) ENEMY AMMUNITION

Bulletin Number	Item	Detail
<u>(1) GENERAL INFORMATION</u>		
4	32	
5	49	
11	114	Information to be forwarded immediately to C.I.A.
4	31	
10	103	Disposal of enemy ammunition.
10	105	Mines and booby traps.
<u>GERMAN</u>		
<u>(2) AIRCRAFT BOMBS</u>		
8	80	
13	141	1 Kg. Incendiary.
15	169	
17	209	1 Kg. Incendiary with H.E. bursting charge
20	299	
15	167	4 lb. Anti-personnel.
19	270	2 Kg. Anti-personnel S.D.2 (Butterfly bomb)
5	44	
7	65	50 kg. and above H.E. bomb with electric fuse EL.AZ.C.50
11	113	or with booby trap.
14	151	110 Kg. Incendiary.
11	113	250 Kg. H.E.
5	44	Anti-personnel H.E.
15	174	
17	200	Anti withdrawal device for fuze ZUS 40.
15	163	Container for 1 Kg. Incendiary bombs.
5	46	Exploders.
5	47	Fuzes.
13	138	
14	156	Fuze Electric (Rheinmetall) for bombs and parachute flares.
16	192	
5	44	Gas.
5	44	H.E., G.P. or General Bombardment.
5	44	Incendiary.
5	45	
15	170	Markings on bombs.
14	155	Particulars of various bombs
		(a) Incendiary
		(b) Gas
		(c) Anti personnel.
		(d) General bombardment
		(e) Anti Ship.
5	48	Unexploded bombs -
5	49	General information.
5	60	
6	60	
13	139	Method of determining whether bombs dropped from high
15	171	altitude have exploded.

Bulletin Number	Item	Details
<u>(3) DEMOLITION STORES</u>		
36	884	Hollow charge 3 Kg. magnetic.
29	556	Hollow charge 12.5 Kg. and 50 Kg.
36	883	Hollow charge 13.5 Kg.
<u>(4) GRENADES</u>		
31	631	Rifle Hollow charge (7.92 mm.)
39	987 }	
39	988	Rifle Hollow charge Large (7.92 mm) and (7.92/13 mm.)
31	632	Rifle and Hand, self destroying (7.92 mm.)
28	521	Hand H.E. (Egg shape).
28	522	Hand H.E. (Stick type).
12	122	Identification markings.
<u>(5) MINES AND APPURTANENCES</u>		
15	166	Magnetic Sea mines used as bombs.
10	105	Mines and traps.
33	740	Pull igniter Z.Z.35.
38	950	Shrapnel Mine 35 (S.Mi.35)
38	951	-do- Fuze S.Mi.Z.35.
33	738	Tellermine 35
36	882 }	
33	739	-do- Fuze T.Mi.Z.35.
36	882 }	
34	801	Tellermine 42
36	881	-do- Fuze T.Mi.Z.42.
<u>(6) MORTAR BOMBS</u>		
24	408	5 cm. H.E. (Wurfgranate 36)
32	673	8 cm. H.E. (Wurfgranate 34)
12	122	Identification markings.
<u>(7) PYROTECHNICS</u>		
18	242	Flare picket.
12	122	Identification markings.
12	123	Signal equipment recovered from aircraft.
<u>(8) SMALL ARM AMMUNITION</u>		
8	79	7.92 mm. types - Characteristics and markings.
25	436	7.92 mm. Pz.B.38/39. AP/Lachrymatory Cartridge.
27	491	13 mm. to 30 mm. Weapons - Colour markings.
13	140	20 mm. Aircraft Hy.M.G. shell with fuze AZ.1502 or EK.Zdr.C/30.
39	984	2.7 cm. Pistol H.E. Cartridge.
39	985	2.7 cm. Pistol Signal Cartridge.

DEMOLITION STORES

Push Igniter D235.	43	1159
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GRENADES

Hollow Charge A/T Hand Grenade (Panzer Wurfmine(L))	45	1253
3 cm Rifle Smoke Grenade	47	1341
46 mm Hollow Charge rifle Grenade	47	1342
61 mm " " "	47	1343
3 cm. Rifle Illuminating Grenade (Gewehr Fallschirmleuchtgranate) (Fig. 592)	49	1445
Hollow Charge sticky anti-tank grenade (Panzerhandmine-S.S.) (Figs. 593 and 594)	49	1446

MINES

Light A/Tank Mine (I.Pz.M)		
Anti-Personnel "Pot" Mine A200 (Fig. 584)	48	1395
Anti-Tank mine (Riegelmine 43) (Fig. 602)	50	1479

Tellermine (Mushroom) 43	40	1020
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Pull Igniter 42 (Z.Z.42) (Fig. 603)	50	1480
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MORTAR BOMBS

8 cm ML Bomb 38	40	1030
8 cm ML Bomb 39	40	1031
10 cm Nb HE Bomb	40	1032
5 cm Mortar Ctges 39	41	1074
5 cm Mortar HE Bomb	41	1075
20 cm Light Spigot Mortar HE Bomb	42	1124
Hollow Charge Bomb w/Projector	43	1164
8 cm HE Bomb 38 and 39 umg	43	1166
Hollow Charge A/T Bomb with Projector	47	1344
" " " " " (Panzer 60mm)	48	1391

PYROTECHNICS

7.3 Propaganda Rockets	44	1215
15 cm HE Rocket (15 cm Wgr 41 Spr)	44	1216
21 cm HE BC Rocket	44	1217
30 cm HE Rocket	44	1218



SHELL AND CARTRIDGES (Contd)

10.5 cm le FH. 18 M. Shell HE S/L (Gr F) (Fig. 612)	50	1489
10.5 cm le FH. 18 M. Ctge QF for "gr F" Shell (Fig.) (613)	50	1490
10.5 cm Geb H.40 Coloured smoke HE Shell (F.H.Gr Buntr) (Fig. 614)	50	1491
2.7 cm Pistol smoke Ctge (Nebelpatrone Für Kampfp- istole) (Fig. 619)	50	1495
2.7 cm Pistol Coloured Smoke Ctge (Deutpatrone für Kampfpistole) (Fig. 620)	50	1496
3.7 cm Pak K(Casement Gun) Cartridge Q.F.A.P./T (Fig. 624).	51	1513
7.5 cm Kw.K.42 & Stu.K.42,Cartridge QF. HE(Fig.625). (7.5 cm.Kw.K.u.Stu.K.42 Sprgr.Patr.)	51	1514
7.5 cm le F.H.18 Cartridge QF. HE. Hollow charge(Fig) (626)	51.	1515
7.5 cm le J.G.18.Cartridge QF HE Hollow Charge(Fig) (627) (Jgr. 38.Hl/A.)	51.	1516
8.8 cm.Kw.K.43 Cartridge QF.A.P.C.B.C/T.(Figs 628 & 629) (8.8 cm Pzgr.Patr.39-1).	51	1517
8.8 cm Kw.K.43 Cartridge QF A.P.C.B.C./T.(Figs.630 & 631). (8.8 cm.Pzgr. Patr. 39/43).	51	1518
8.8 cm Kw. K.43 Cartridge QF HE (8.8 cm Sprgr. Patr.43).	51	1519
10.5 cm Flak 38 Cartridge Q.F. HE(Grooved Shell) (Figs.632 & 633).	51	1520
12.8 cm Gerat 40,Cartridge QF. A.P.C./T.(Figs 634 & 635).	51	1521
2.7 cm Pistol H.E. Cartridge (Fig. 636). (Sprenggranate-Patrone K.P.)	51	1511

SAA

2.6 cm Pistol HE Cart. with delay pull igniter 48 1392

SHELL AND CARTRIDGES

3.7 cm PK Ctges QF HE/T	40	1028
3.7 cm PAK, Hollow Charge Muzzle, stick bomb.	40	1029
Fuze 3.7 cm Kpf Z.Zerl.P. (Fig. 452)	42	1125
4.7 cm PAK(T) and K36 Ctges QF HE	41	1083
" " " " " " " APC	41	1084
4 cm Ctg QF HE (Bofor Type)	43	1165
7.5 cm PAK 40 Ctge QF Hollow Charge fuzed AZ 38	45	1246
7.5 cm PAK 41 Ctge QF APBC/T Shot (PATR PZGR 41 HK)	45	1247
7.5 cm PAK 40 ctge QF Hollow charge shell	47	1327
7.5 cm GEB K.15 QF Ctge	47	1328
7.5 cm GEB K.15 HE Shell	47	1329
7.5 cm LE F.K.18 QF Ctge	47	1330
7.5 cm LE F.K.18 APCBC/T shell	47	1331
7.5 cm PAK 41 ctge QF APBC/T Shot (PATR PZGR 41 W)	45	1248
7.62 cm PAK 36 ctge QF APBC/T Shot (PZGR 40)	45	1249
" " " " " " " (" 39)	45	1250
8.8 cm FLAK 41 ctge QF HE	47	1332
8.8 cm A/T Hollow Chg rocket projectile	43	1175
8.8 cm FLAK 18 and 36 Ctge QF APCBC	43	1167
8.8 cm FLAK 18 and 36 Ctge QF HE	43	1170
8.8 cm FLAK 41 Ctge APCBC/T	43	1169
8.8 cm FLAK 41 Ctge QF HE	43	1170
8.8 cm FLAK Star Shell	46	1287
8.8 cm A/T Hollow Charge Rocket Projectile	47	1339
(8.8 cm Raketen, Panzerbusche Granate 4312)	47	1340
8.6 cm AA "Wire barrage Rocket"	47	1340
8.6 cm Kw K43 Cart QF Hollow Charge with Tracer (8.8 cm Gr Patr 39 H1 Kw K43) Fig. 574	48	1389
8.6 cm Rocket HE Projectile Figs 581, 582.	48	1393
8.6 cm Rocket Star Projectile " 583.	48	1394
10 cm 1 FH 18 Hollow Charge H1/A, H1/B, H1/C	46	1288
10 cm K.18 and 1g 10 cm KT HE Shell	41	1076
10.5 cm 1 FH 18 HE Cast Steel Shell	41	1085
12.8 cm FIAK 40 Ctge QF HE Fzd ZT ZS/30	43	1171
15 cm (Naval) AP BC Shell	43	1172
" " " HE BC "	43	1173
" " " Separate QF Ctge	43	1174
17 cm K. MRS LNF QF Ctges	41	1086
5 cm FLAK 41 Ctge QF HE/T (5 cm Spgr Gr 41 L'Spur) (Fig. 589)	49	1442
3.7-cm Flak 18 Ctge QF HE/T (Fig. 604)	50	1481
3.7-cm Flak 18, Ctge QF HE/T (Fig. 605)	50	1482
3.7-cm (Naval) Ctge QF HE/T (Fig. 607)	50	1484
7.5-cm KWK.40 & Stu.K.40, Ctge QF Hollow Charge (Gr 38 H1/C) (Fig. 609)	50	1486

Bulletin Number	Item	Detail
<u>(8) SMALL ARM AMMUNITION - CONTD.</u>		
39	986	2.8 cm. Pz.B.41. H.E. Cartridge.
23	376	2.8 cm. Pz.B.41 (28/20 mm. cal. T.C. Core) Cartridge.
11	113	Fuze A.Z.1501.
12	122	Identification markings.
15	172	Table of Small Arm Ammunition.
10	104	Types of S.A.A. and packages.
<u>(9) GUN AND HOWITZER AMMUNITION</u>		
31	634	Nomenclature, abbreviations, markings, stampings, etc.
38	949 }	(a) SHELL AND SHELLS
36	886	3.7 cm. Cartridge Q.F. A.P.T. with fuze BZ.15 (Czech origin)
23	378	3.7 cm. Pak. Cartridge Q.F. A.P.T. Shot. (Pzgr.40) with T.C. Core
31	633	-do- Cartridge Q.F. 3.7 cm. with fuze AZ.39 or 3.7 cm. Kpf. Z.Zerl.P.
25	435	4.7 cm. Pak. A.P.T. Shell.
26	462	-do- APBC/T. Shot (Pzgr.40) with T.C. Core.
26	461	-do- H.E. Shell with fuze C.H.Z.R.
26	460	5 cm. Pak 38 Cartridge A.P. (Pzgr.40) with fuze AZ.39.
25	435	-do- and Kwk. A.P/T. Pzgr.40 with fuze Bd.Z.5103 ^X
34	796	7.5 cm. L.I.G.18 (or 3gr.18) H.E. shell with fuze L.I.gr.Z.23 na.
34	797	-do- H.E./Al. Shell with fuze L.I.gr. Z.23. na.
33	745	7.5 cm. L.G.40 Q.F. Gun. shells
38	954 }	-do- Hollow Charge (Kpf.40) (Gr.38 HL/B) with Fuze A.Z.38.
33	746	7.5 cm. Kwk. and Stu.G.73 (do. T.C.)
34	798	Cartridge Q.F. Hollow Charge (Gr.38) with Fuze A.Z.38.
26	464	Cartridge Q.F. H.E. with fuze Kl.A.Z.38.
25	435	A.P.C.B.C./T. with fuze Bd.Z.f.7.5 cm. Pzgr.
26	463	Smoke shell with fuze Kl.A.Z.38.Nb.
30	593	7.62 cm. Cartridge L.G.40 Q.F. H.E. Shot (Pzgr.40) with T.C.Core.
17	211	8 cm. L.K., M.30 H.E. Shell with Fuze C.H.Z.R. (Czech origin).
36	885	810 cm. K.18 (10.5 cm. calibre) H.T. Cartridge.
7	66	10 cm. H.E. Shell with fuze A.Z.23 (O.25)
27	492	10 cm. H.E. Shell.
39	991	10.5 cm. (Naval) Cartridge Q.F. H.E. with Fuze EK.Z.C/28.
39	993	-do- H.E. with incendiary unit.
38	955	10.5 L.G.40 (or 1.G.2) H.T. Cartridge.
33	747	15 cm. s.F.H.18 Q.F. Cartridge.

Bulletin Number	Item	Details
<u>(a) GUN AND HOWITZER AMMUNITION - Contd.</u>		
33	748	15 cm. s.F.H. 18 Anti concrete shell (Gr.19 Be) with fuze Bd. Z.f.15 cm. Gr.19 Be.
34	799	21 cm. Ltrz.18 Q.F. Cartridge.
34	800	-do- Anti concrete shell (Gr.18 Be) with fuze Bd. Z.f.21 cm. Gr.21 Be.
<u>(b) FUZES</u>		
<u>Nose.</u>		
12	124	A.Z.23. (0.8) umg.
7	67	A.Z.23 (0.25)
26	464	Kl A.Z.23.
26	463	Kl. A.Z.23 Nb.
7	67	1 I.gr. Z 23nA (1.Jgr.Z 23nA)
34	796	
39	992	EK.Z.6/28.
33	741	A.Z.38.
32	673	Wgr.Z.38 (H.E. Mortar bomb)
24	408	
26	460	A.Z.39.
39	990	A.Z.5072
26	461	C.H.Z.R. Skoda.
17	211	
31	633	Kpf.Z. Zerl P (3.7 cm.)
33	742	Zt.Z.S/30.
33	743	Zg.Z.S/30 Fg ¹ .
38	952	Dopp.Z.S/60.s
38	953	Dopp.Z.S/60 Fl.
24	407	Dopp.Z.S/90
<u>Base.</u>		
25	435	Bd.Z.5103X.
36	836	Bd.Z.15 for 3.7 cm. (Czech origin)
25	435	Bd.Z f 7.5 cm Pzgr.
35	339	Bd.Z.f. 15 cm. Gr. 19 Be.
35	439	Bd.Z.f. 21 cm. Gr. 18 Be.
23	377	n.V.u.K.
<u>(c) GAINES</u>		
32	669	ZdIg. A.
32	669	ZdIg. B.
39	989	Kl.ZdIg.34 Np.
33	744	ZdIg. 40

Smoke Box for HE Shell No. 8	40	1025
" " " " " No. 9	40	1026
Smoke Box No. 11 for HE Shell (RII)	41	1077

FUZES

AZ 23 (0.15) (PR) with plastic body	47	1333
Peron AZ 49	47	1334
Fuzes Electric for ignition of 28 cm and 32 cm rockets	47	1337
AZ 23 umg m 2V KG (571)	48	1386
ZTZ S/30 KURZ Fig. 573	48	1388
3.7 cm KZ 40 Fig. 572	48	1387
5 cm Kopf Z.2.Zerl P (Figs. 587 and 588) (Over page)	49	1441
<u>Nose.</u>		
1.I. gr. Z. 23 NA (Fig. 401)	40	1021
AZ.1.	46	1280
A.Z. 5075 (Fig. 402)	40	1022
A.Z. 35K (Fig. 413)	40	1035
A.Z. 23 (V.0.15)	41	1080
KL AZ 23 NB (PREBSTOFF) Plastic	41	1079
AZ 2492 for rifle spigot Grenade	41	1078
KL AZ 23 Fig. 442	42	1116
AZ 23/28 U. (0.1) (Fig. 444)	42	1118
AZ 23 umg 0.15 (Fig. 443)	42	1117
AZ Wgr Z.36 (Fig. 446)	42	1120
AZ 23/42 V (0.15) Fig. 445	42	1119
KZ 38 W/Gaine	43	1162
AZ 5095	43	1176
1 I.gr. Z.23 NA in 21 cm HE Rocket	43	1177
FP. 28001	44	1208
AZ.5095	44	1209
BDLE JGR Z.23 NA	44	1211
Hb gr. Z.35 K.	44	1212
Wgr Z.50	44	1213
" " and Type A.	45	1255
Wgr Z.T.	46	1281
" Z.38c	46	1282
KZ c/27 (IM)	46	1283
Dopp.Z.S./90 K (Fig. 447)	42	1121
Dopp.Z.S./90/45 Fig. 414, 415, 416	40	1036
AZ.38St (Fig.617) (Over page)	50	1493
<u>Base.</u>		
BD Z.5130 (Fig. 403)	40	1023
Skoda BZ.15 for 3.7 cm APC Shell	41	1081
" " " 4.7 cm " "	41	1082
BD Z.5127 W/Tracer	43	1163
BD Z.DOV	44	1201
27/34 WZ.36 (Polish Origin)	46	1284
c/38	46	1285

FUZES (Contd)

3.7 cm. Kpf Z. Zerl. P.v. (Figs 615 and 616)

50 1492

Nose

Wgr Z (r) from 12 cm. Mortar Bomb (Fig. 618)

50 1494

GAINES

34 W/delay (KL, ZDLG.34 NP MV)	40	1024
Model 40B	43	1160
" 41	43	1161

PRIMERS

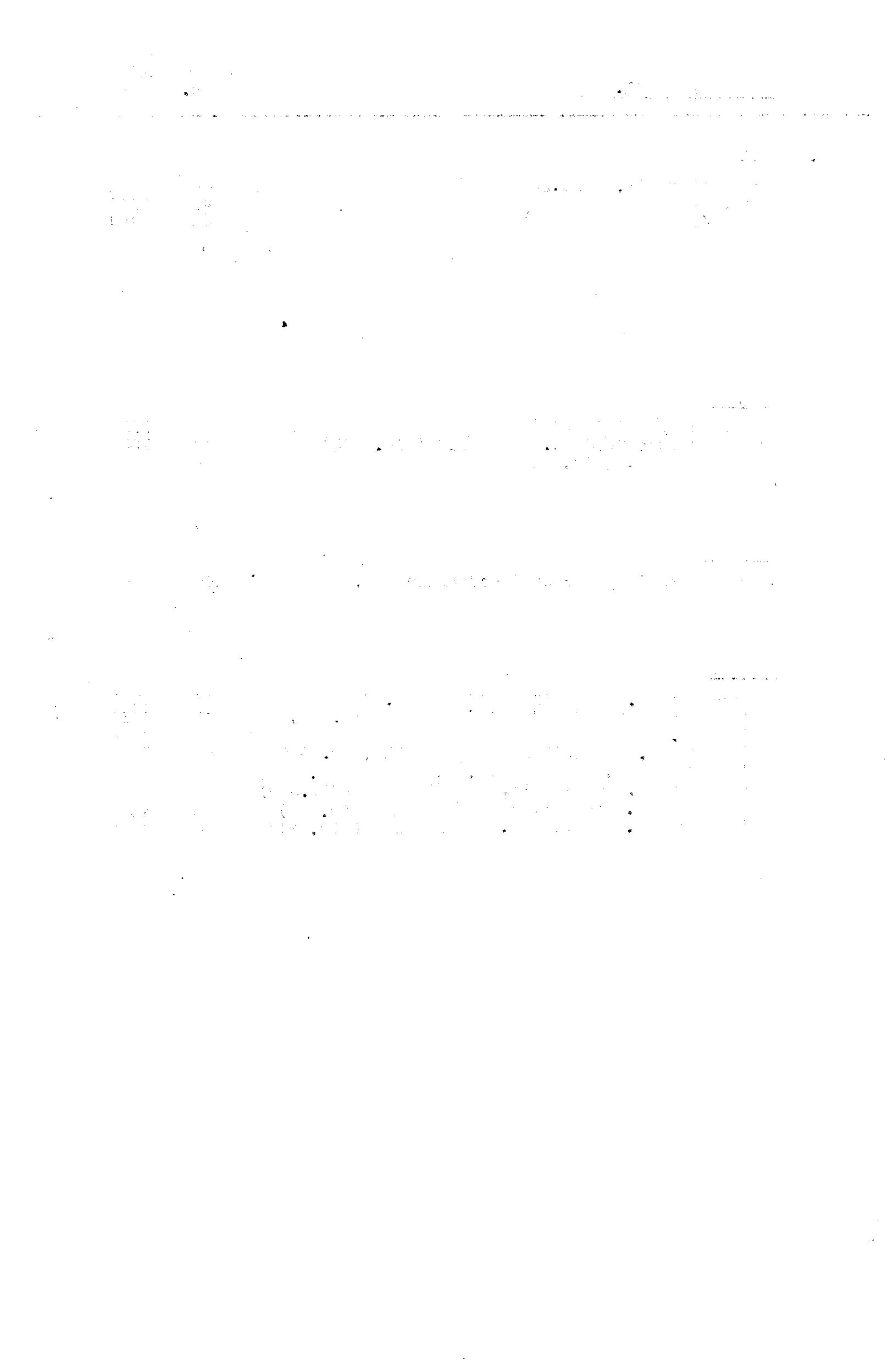
Electric C/23 (Fig. 449)	42	1123
Percn QF Ctge C/43 St. and C/113 (Fig. 545)	47	1336
Percn C/32 St. (Fig. 591)	49	1444

ROCKETS

32 cm Incendiary Rocket (Wurfcorper M51, 50)	45	1254
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TRACERS

Tracer from 7.62 PAK 36 APBC/T (Pzgr. 39)	45	1251
" " " " " Shot (Pzgr. 40)	45	1252
" No. 5	47	1335
" for 8.8 cm Hollow Charge shell (Fig. 575)	48	1390
" for 5 cm. FLAK 41 H.E./T. Shell (Fig. 590)	49	1443
" from 3.7 cm Flak18, HE/I/T Shell (Fig. 606)	50	1483
" " 3.7 cm (Naval) HE/T Shell (Fig. 608)	50	1485
" " 7.5 cm Pak 40, APBC/T Shot (Fig. 611)	50	1488



Bulletin Number	Item	Detail
32	669	Gr.Zdlg. C/98.
34	796	Gr.Zdlg. C/98 Np. (Also Bulletins 26/464 and 32/673)
32	669	Kz.Zdlg. C/98. (Also Bulletin 26/463).
25	435	with Bd. K.5/07 (5 cm. GMC)
		(d) <u>PRIMERS.</u>
26	464	Electric C/22.
26	460	Percussion C/12.
32	671	" C/13nA.
32	672	" C/33
36	887	" V.Z./33 (Czech origin)
33	745	" C/113.
		(e) <u>TRACERS</u>
32	670	For base fuzes.
		<u>ITALIAN</u>
		<u>10. AIRCRAFT BOMBS</u>
17	210	1.75 Kg. and 4 Kg. H.E. Anti personnel (Spezzone type)
19	271	4.5 Kg. H.E. 4 AR (Mazoline Thermos type)
14	152	250 Kg. H.E.
21	322	Chemical - Weights and Markings.
15	173	{ H.E., Incendiary and Gas, also Fuzes - General details.
17	212	
16	191	Fuze for destruction of abandoned aircraft.
		<u>11 GRENADES</u>
34	803	Hand Grenade H.E. SRGM. Model 35.
26	465	" " H.E. Breda Model 35.
38	956	" " H.E. C.T.O. Model 35.
		<u>12 MORTAR BOMBS</u>
22	347	45 m.m. Brixia H.E. Bomb Model 35.
		<u>13 SMALL ARM AMMUNITION</u>
18	241	7.7 m.m. Breda A.P./1. Blue tipped bullet.
18	241	-do- Green " "
18	241	12.7 m.m. Breda A.P./1/T. bullet.
18	241	-do- 1/T. bullet.
14	153	General notes on S.A.A. from aircraft.
16	187	

Bulletin Number	Item	Detail
<u>14 GUN AND HOWITZER AMMUNITION</u>		
<u>(a) CARTRIDGES AND SHELL</u>		
16	186	65/17 m.m. Cartridge Q.F. L.T. with fuze.
16	189	" Cartridge A.P.B.C. with base fuze.
37	919	75/13/27 m.m. } Fillings, exploder systems etc. 75/27 m.m. } fuses and gaines.
34	802	75/27 m.m. Hollow charge H.E. shell.
36	888	75/27 m.m. Cartridge Q.F. H.E. (Fragmentation) shell with time fuze graduated to 59.
37	919	75/46 m.m. Filling, exploder system etc. fuses and gaines.
37	918	77 m.m. } Exploder system, fuses, gaines and 77/28 m.m. } propellant charge markings.
16	190	77/28 Q.F. Cartridge and H.E. shell.
30	594	100/17 m.m. Hollow charge H.E. shell with internal base fuze.
35	842	149/13 m.m. H.E. Shell with Inneschi type fuze.
16	188	Chemical Shell markings.
14	154	Notes on Propellants, H.E. fillings and shell markings.
32	666	Shell markings - Basic colours, stencilling and bands.
37	918	}
37	919	}
<u>(b) FUZES</u>		
<u>Nose.</u>		
22	348	Percussion, Model 16.
35	842	-do- Inneschi type, for 149/13 shell.
16	186	-do- for 65/17 H.E. shell.
35	843	Time, Graduated to 59.
<u>Base.</u>		
16	189	Percussion for 65/17 A.P.B.C. shell.
30	594	-do- (Internal) for 100/17 Hollow Charge shell.
<u>(c) GAINES</u>		
32	668	For H.E. and Piercing shell.
35	842	149/13 H.E. Shell.
<u>(d) PRIMERS</u>		
32	667	Percussion Model 35.
35	840	" " 908.
35	841	" " 930.

JAPANESE

Smoke Grenade for use with Discharger type 89 (Fig. 557)	47	1345
4 cm Hollow Charge rifle grenade	47	1346
A/T Mine Type 93	48	1396



Bulletin Number	Item	Detail
<u>JAPANESE</u>		
<u>15 GRENADES</u>		
32	675	50 m.m. H.E. Mortar and Hand, Type 97.
32	676	H.E. Stick.
32	674	H.E. Hand Type 91.
<u>16 MORTAR SHELLS</u>		
30	595 n	50 m.m. H.E. round with fuze.
32	675	50 m.m. H.E. Mortar and Hand.
<u>17 GUN AMMUNITION</u>		
32	677	70 mm. H.E. shell.
32	678	75 mm. H.E. shell.
26	466	D.A. Nose Fuze.

